

## CLAIMS:

1. A method of processing data corresponding to pixels of a sequence of digital images so as to detect a grid corresponding to blocking artefacts, said method comprising a step of high-pass filtering (110) a portion of a digital image, intended to supply at least one card of discontinuity pixels, and a step of detecting (120) blocking artefacts from the at least one card of discontinuity pixels, the method being characterized in that it comprises a step of searching (130), within said portion, a set of grid rows, a grid row having a density of blocking artefacts which is substantially larger than that of its neighboring rows.

2. A data processing method as claimed in claim 1, wherein the searching step comprises the sub-steps of:

- selecting (131), in a row of the portion of the image, segments comprising a number of consecutive blocking artefacts which is larger than a predetermined first threshold;
- computing (132) a blocking artefact level per row on the basis of values of pixels of the selected segments;
- determining (133) a grid row on the basis of a comparison of the blocking artefact levels of a current row and a set of neighboring rows.

3. A data processing method as claimed in claim 2, comprising a step of measuring the image quality, intended to add the blocking artifact levels of the different rows of the grid for the portion of the image.

4. A data processing method as claimed in claim 1, also comprising a step of validation (140), intended to determine whether a grid is present within the portion of the digital image if the number of grid rows found in said portion is higher than a second predetermined threshold.

5. A data processing method as claimed in claim 1, wherein the high-pass filtering step (110) is intended to supply two cards of discontinuity pixels, one horizontal card and one vertical card.

6. A data processing method as claimed in claim 1, wherein the step of detecting blocking artefacts is intended to detect a first type (p1) of blocking artefacts and a second type (p2) of blocking artefacts from the at least one card of discontinuity pixels.

5

7. A data processing method as claimed in claim 6, comprising a step of correcting the blocking artefacts situated in the grid rows in accordance with their type (p1, p2).

10 8. A television receiver comprising a processing device using the data processing method as claimed in claim 7, suitable for detecting the grid rows within a sequence of digital images and for correcting the blocking artefacts situated in said rows, with a view to displaying corrected digital images on a screen of said receiver.

15 9. A computer program product comprising a set of instructions which, when loaded into a circuit, cause said circuit to perform the method of processing digital images as claimed in any one of claims 1 to 7.